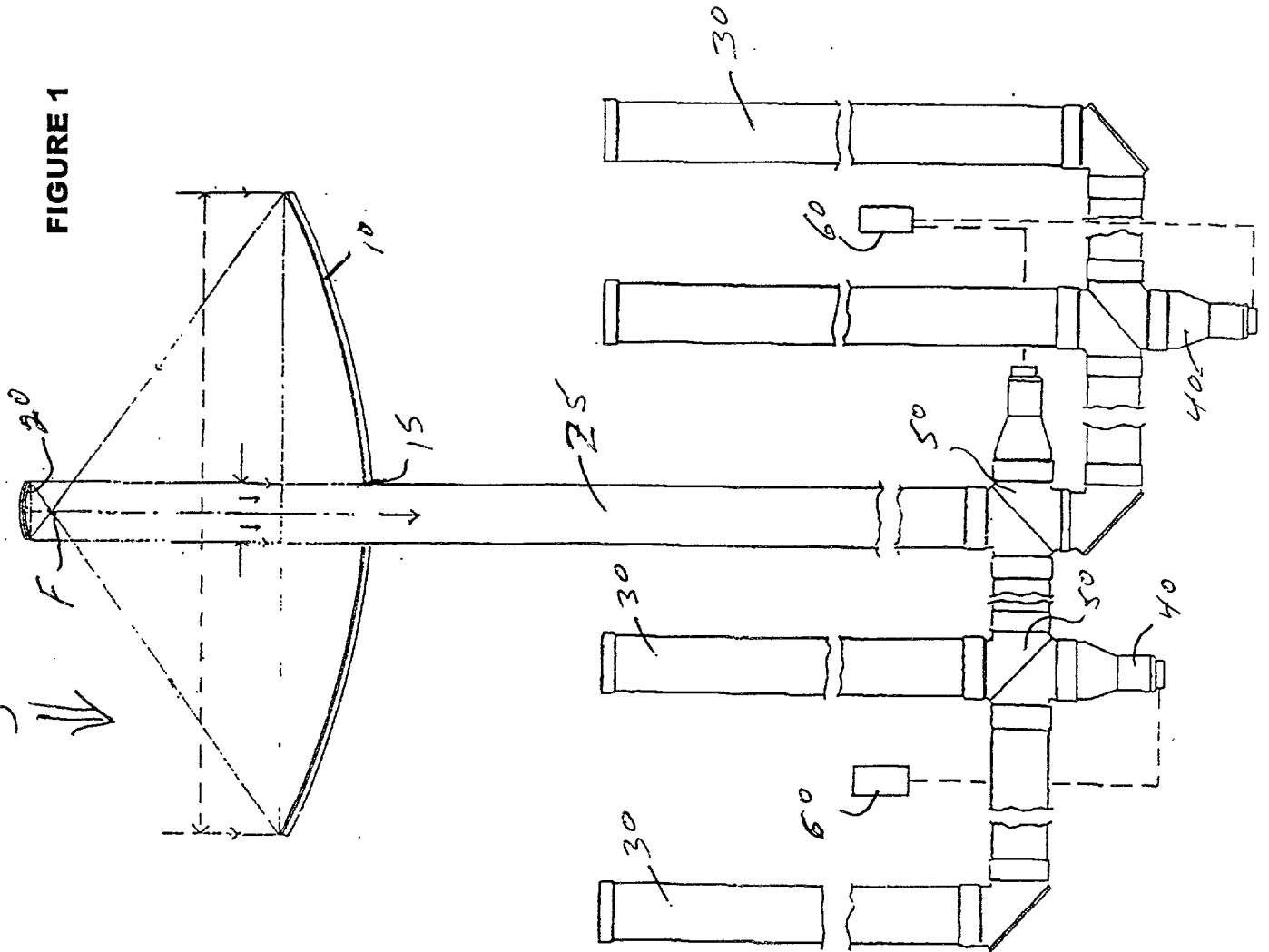


FIG. 1 is a schematic diagram of a system for measuring the distance between two points in a medium. The system includes a light source 10, a light detector 20, and a light beam 30. The light beam 30 is directed from the light source 10 to the light detector 20. The distance between the light source 10 and the light detector 20 is denoted by the letter F. The light beam 30 is shown as a series of segments, with the first segment labeled 30 and the second segment labeled 30. The light beam 30 is shown as a series of segments, with the first segment labeled 30 and the second segment labeled 30. The light beam 30 is shown as a series of segments, with the first segment labeled 30 and the second segment labeled 30.

FIGURE 1



**FIGURE 2**

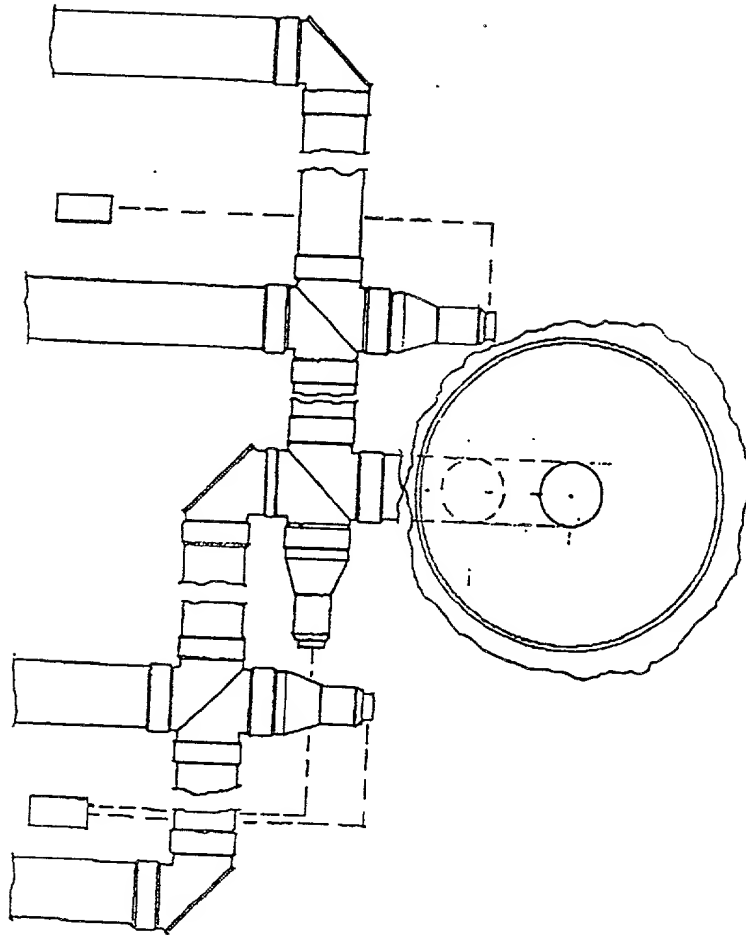


FIGURE 3

FIGURE 3

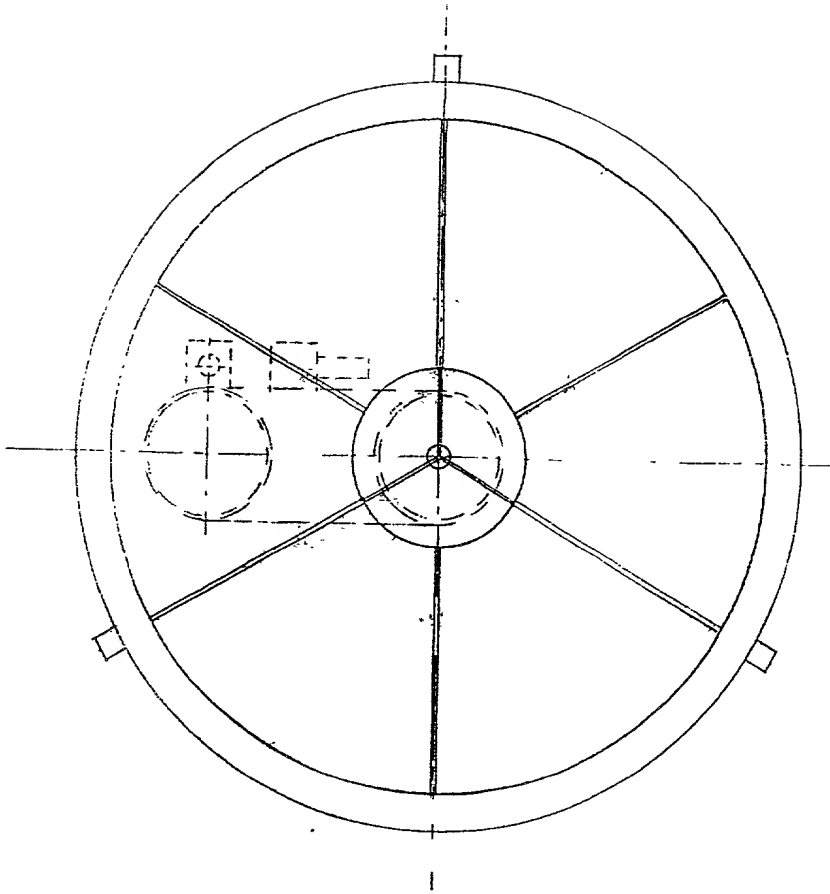
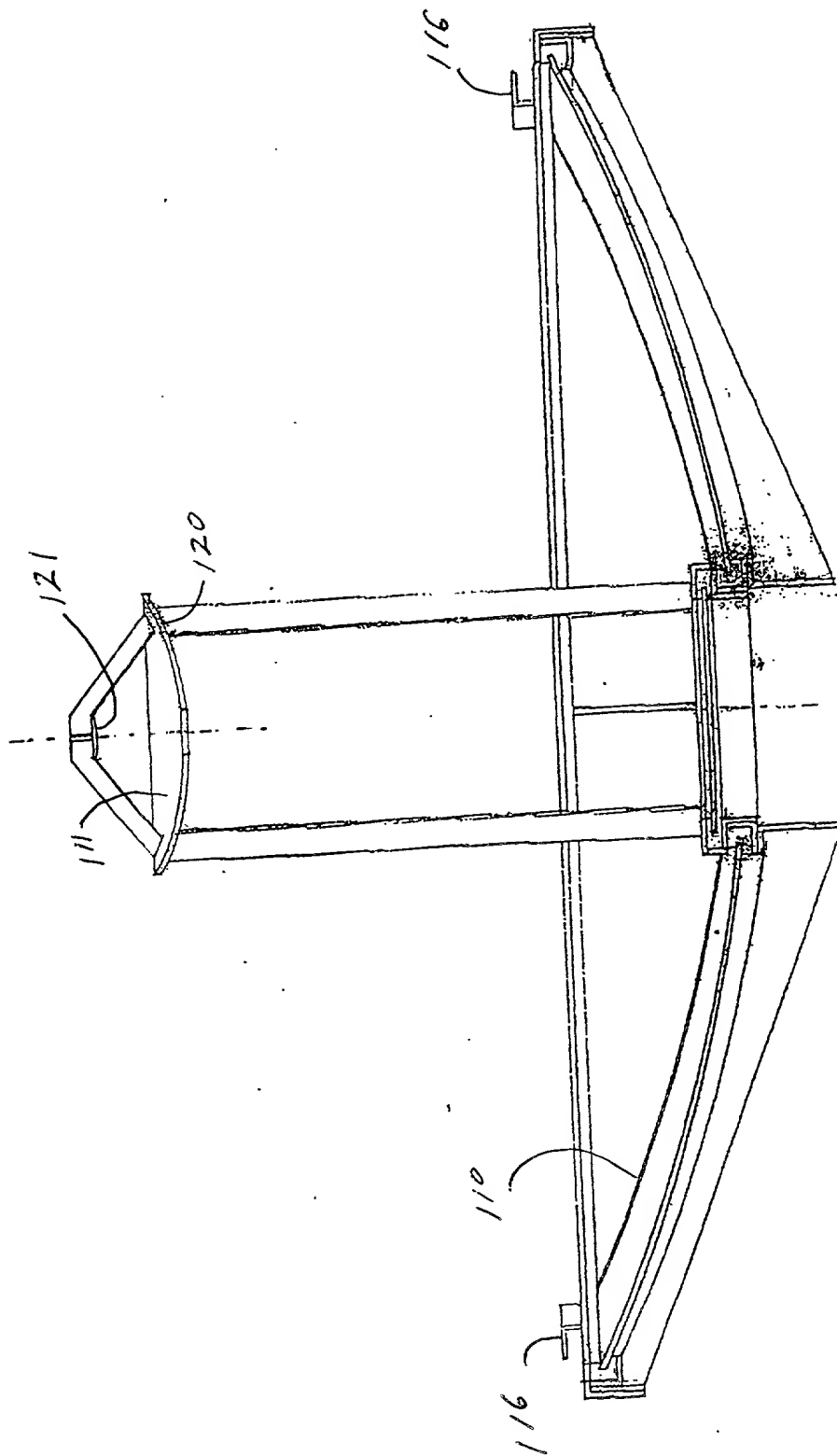


FIGURE 4



**FIGURE 5**

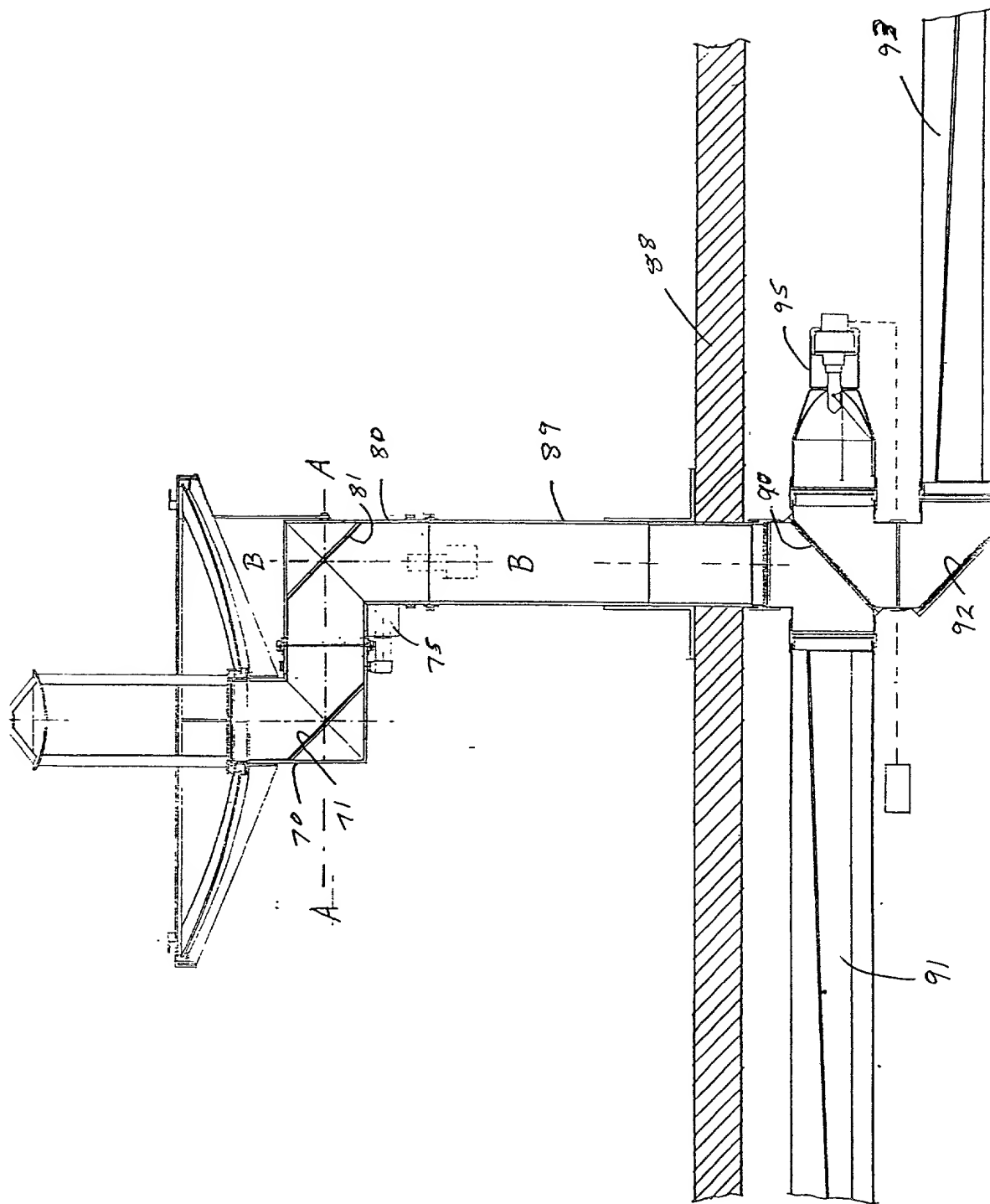


FIGURE 6

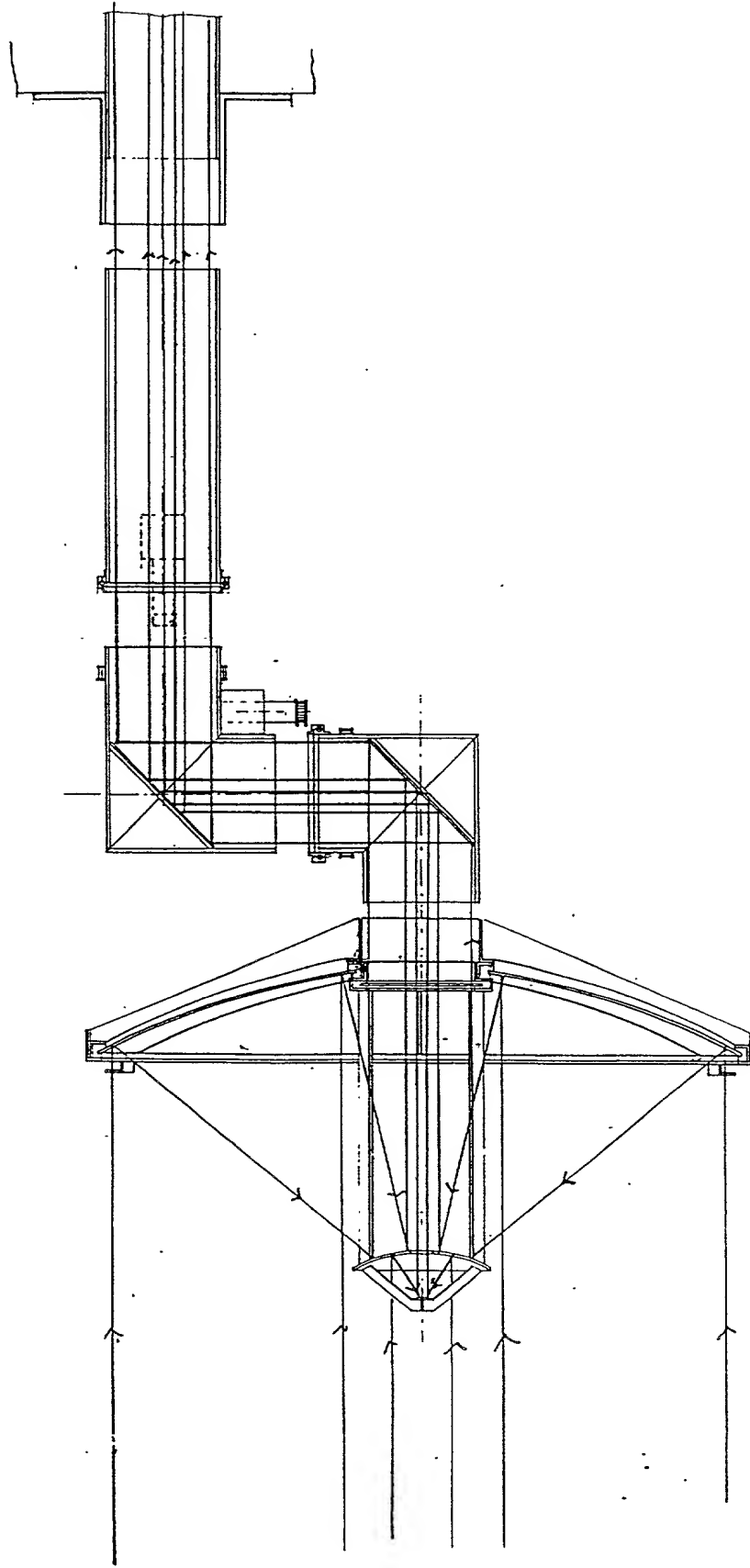
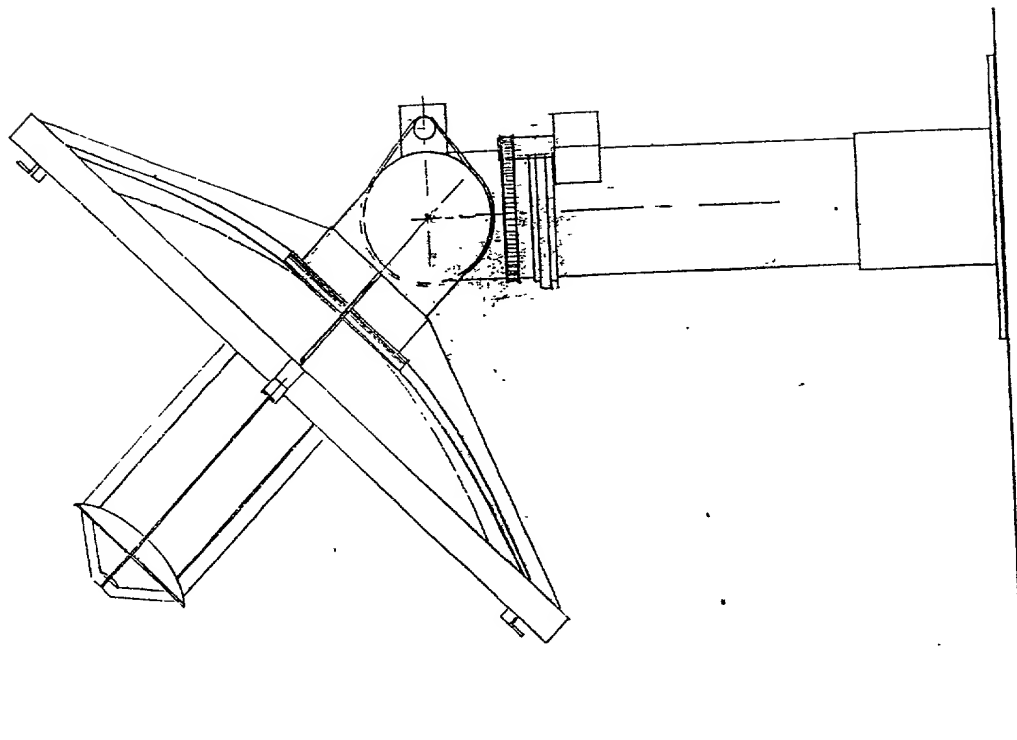


FIGURE 7

FIGURE 7



**FIGURE 8**

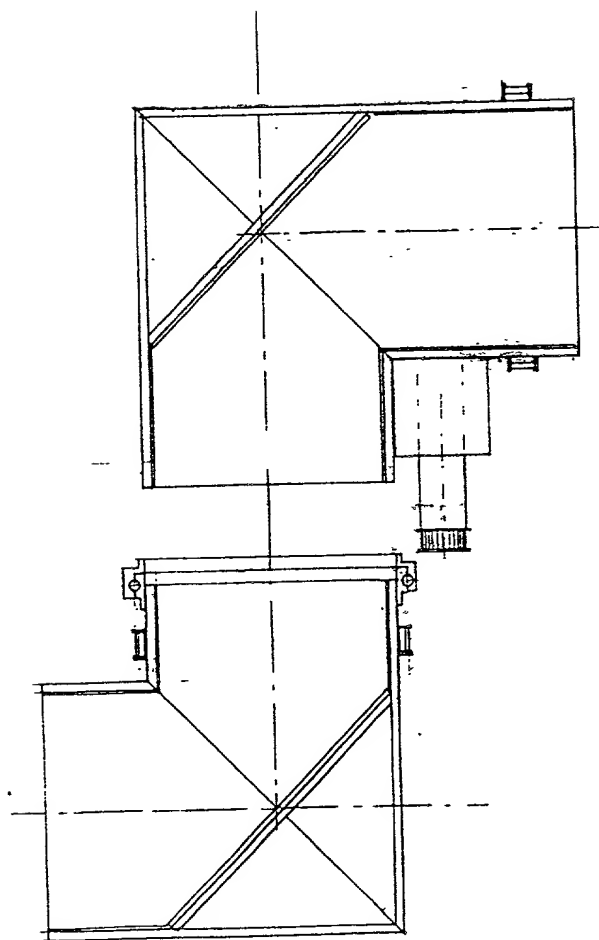
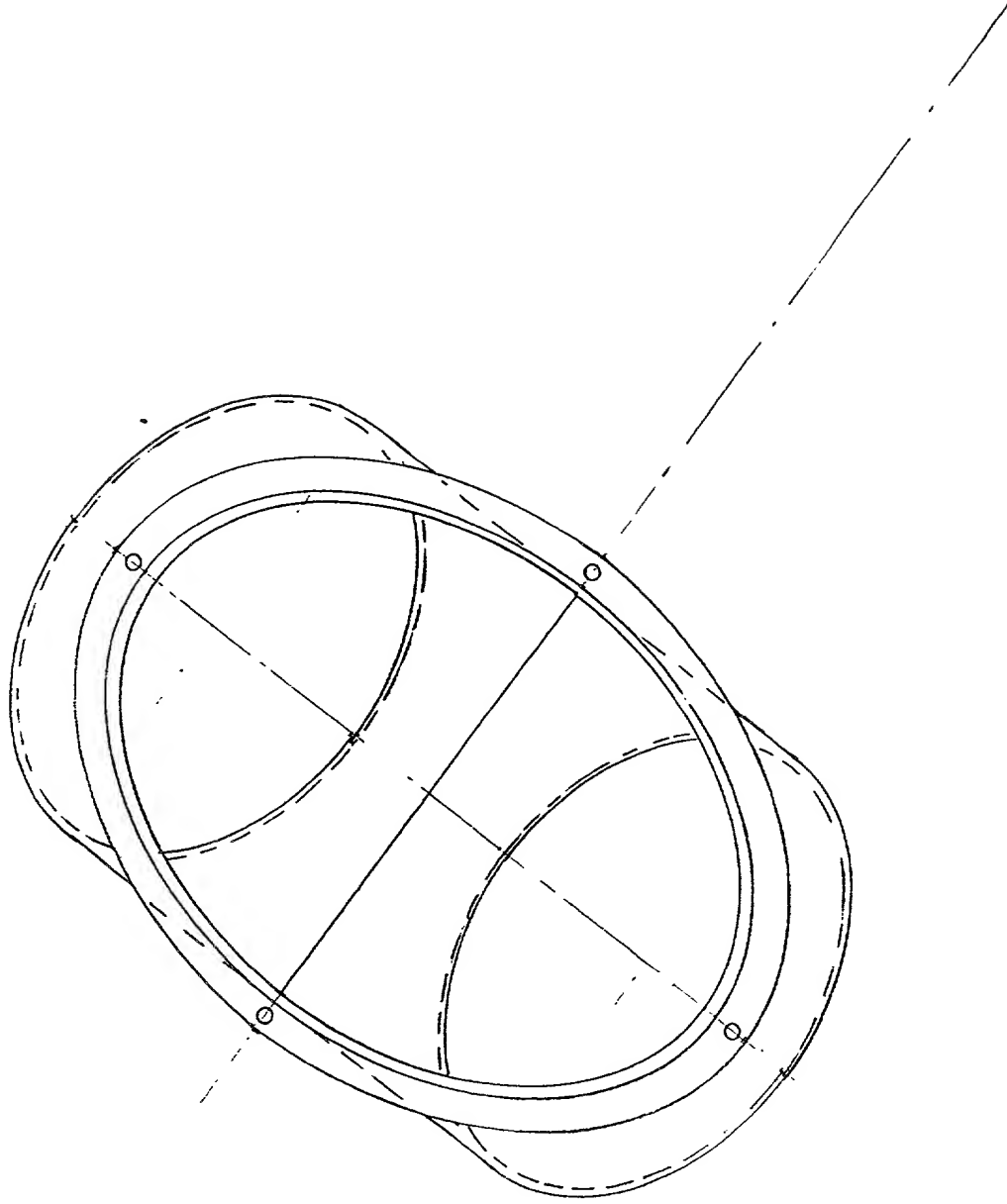




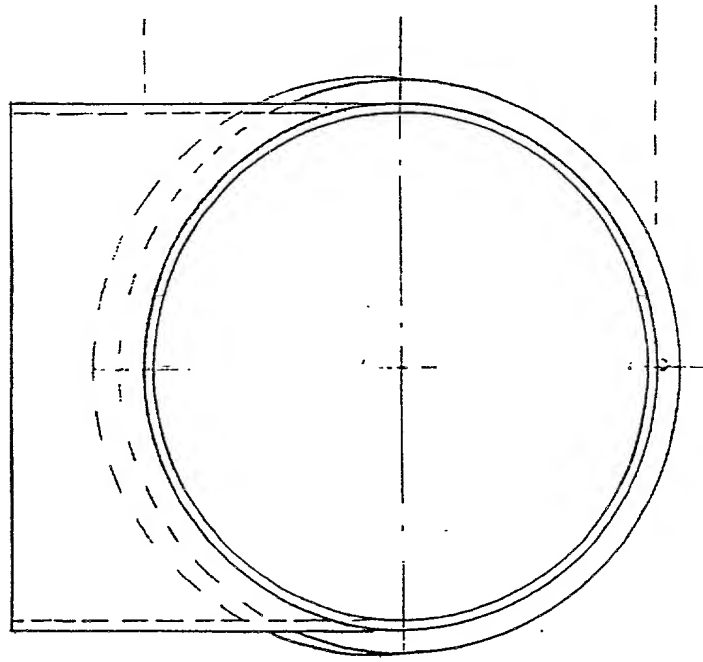


FIG. 10 is a perspective view of the device of FIG. 9, showing the device in a closed position. The device is shown in a perspective view, and the dashed lines indicate the position of the device when it is open.

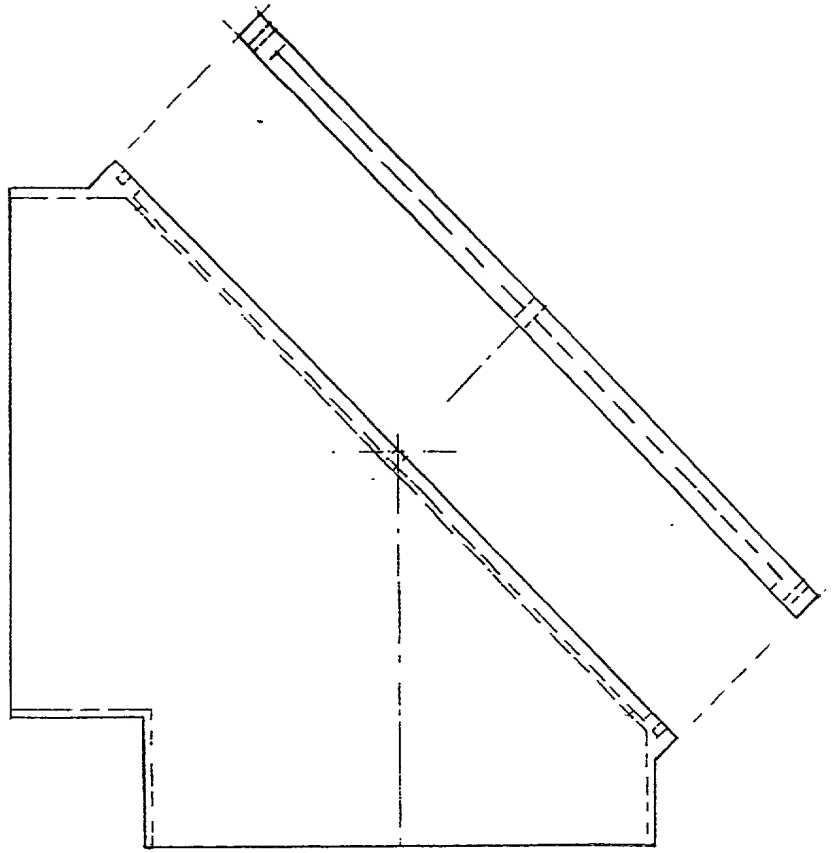
**FIGURE 10**



**FIGURE 11**



**FIGURE 12**



**FIGURE 13**

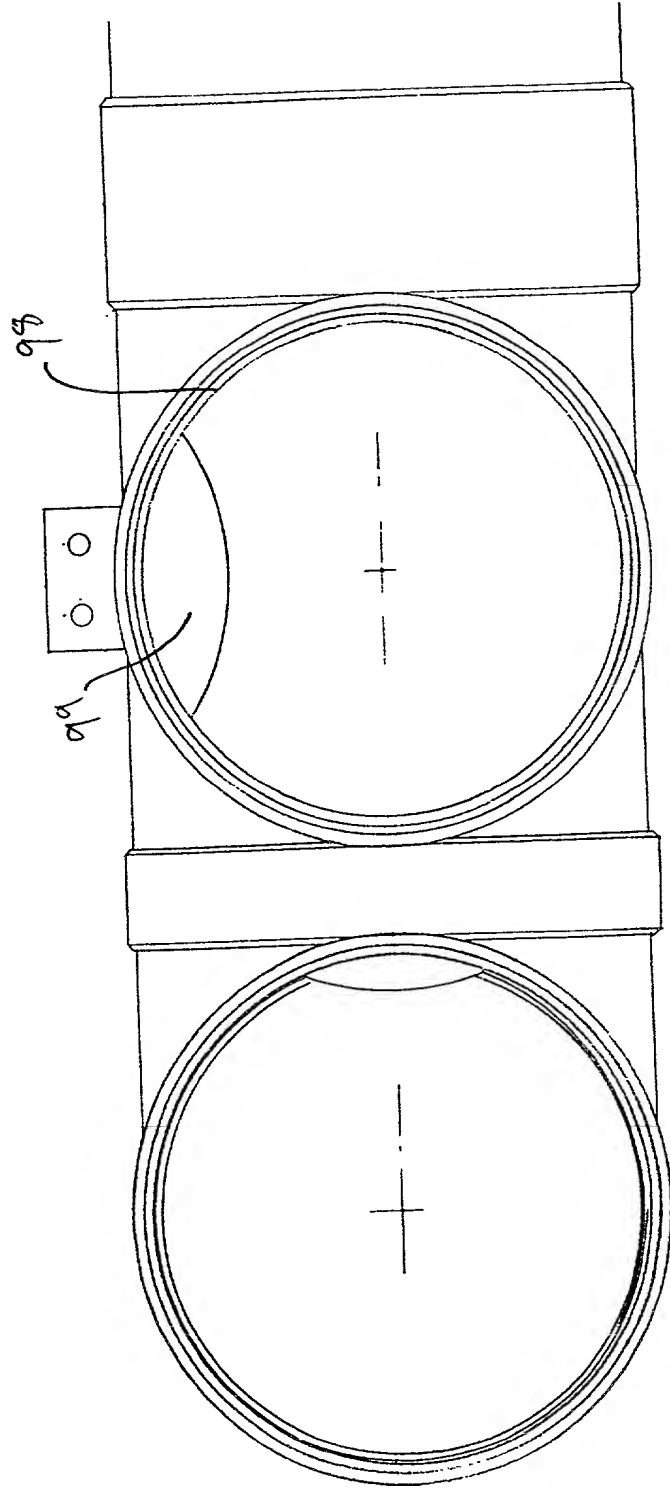


FIGURE 15

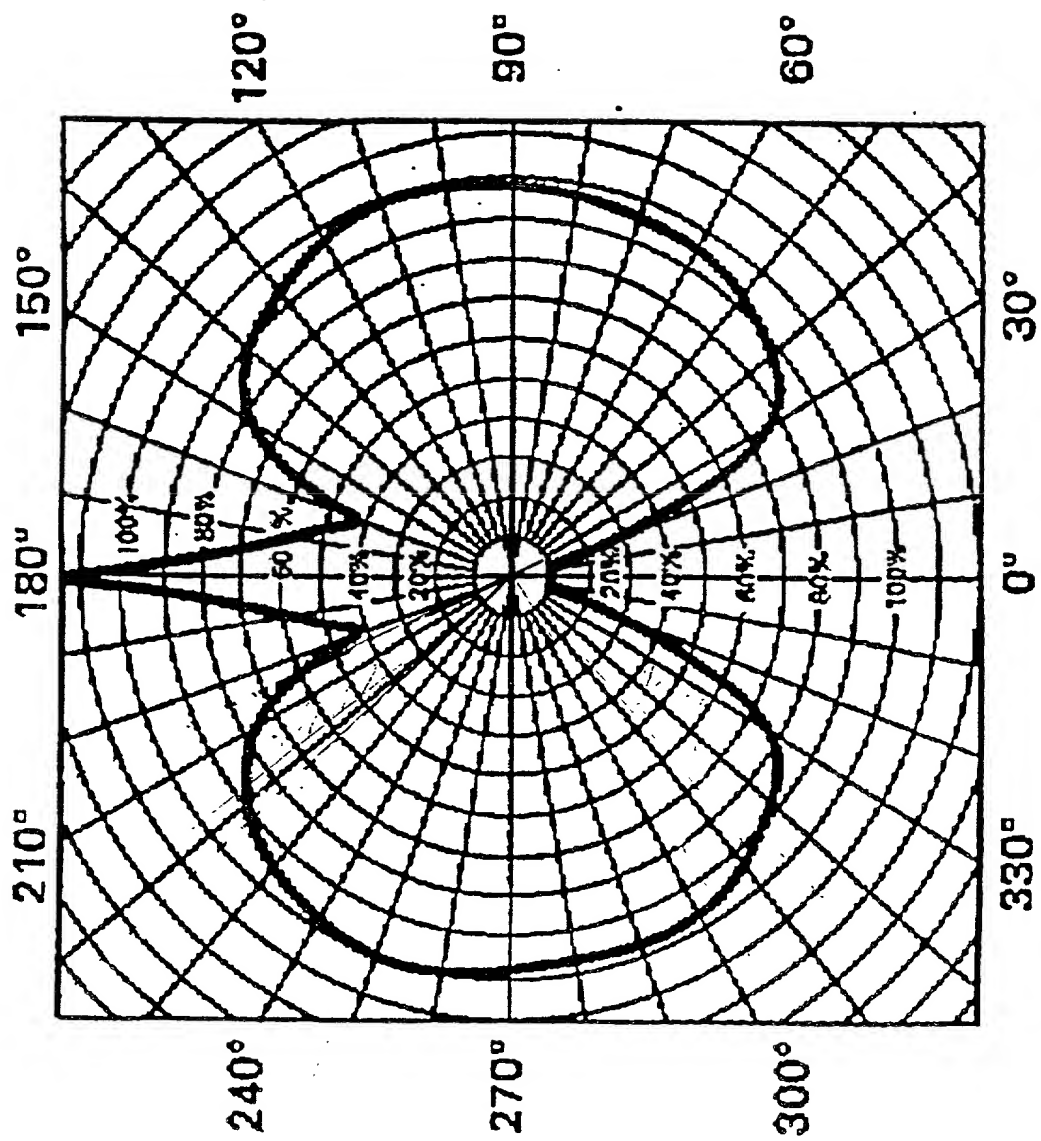


FIGURE 14

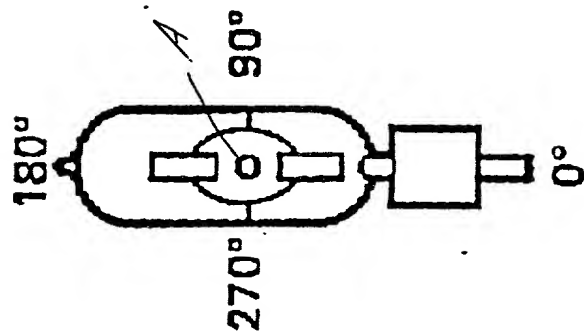


FIGURE 16

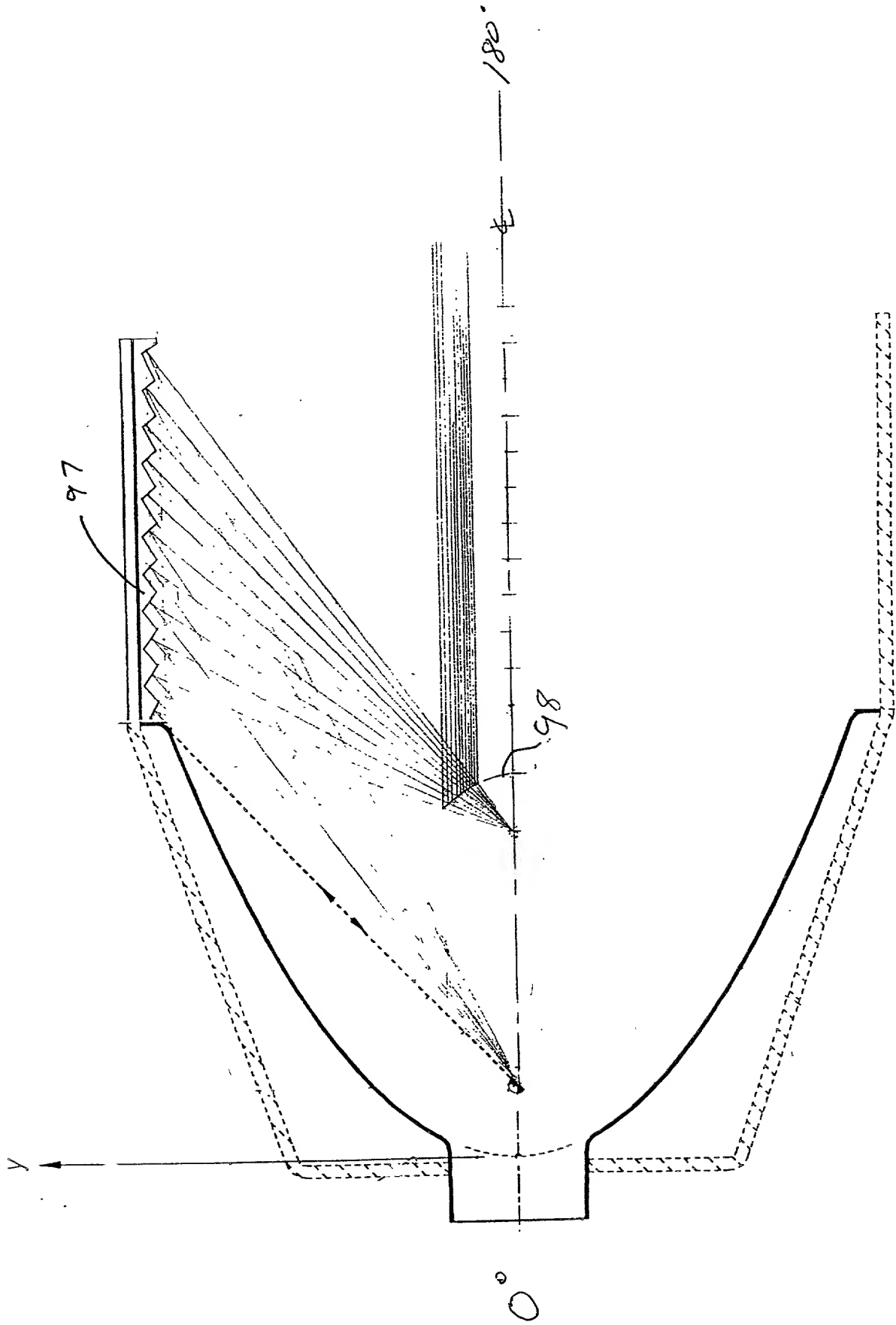


FIGURE 17

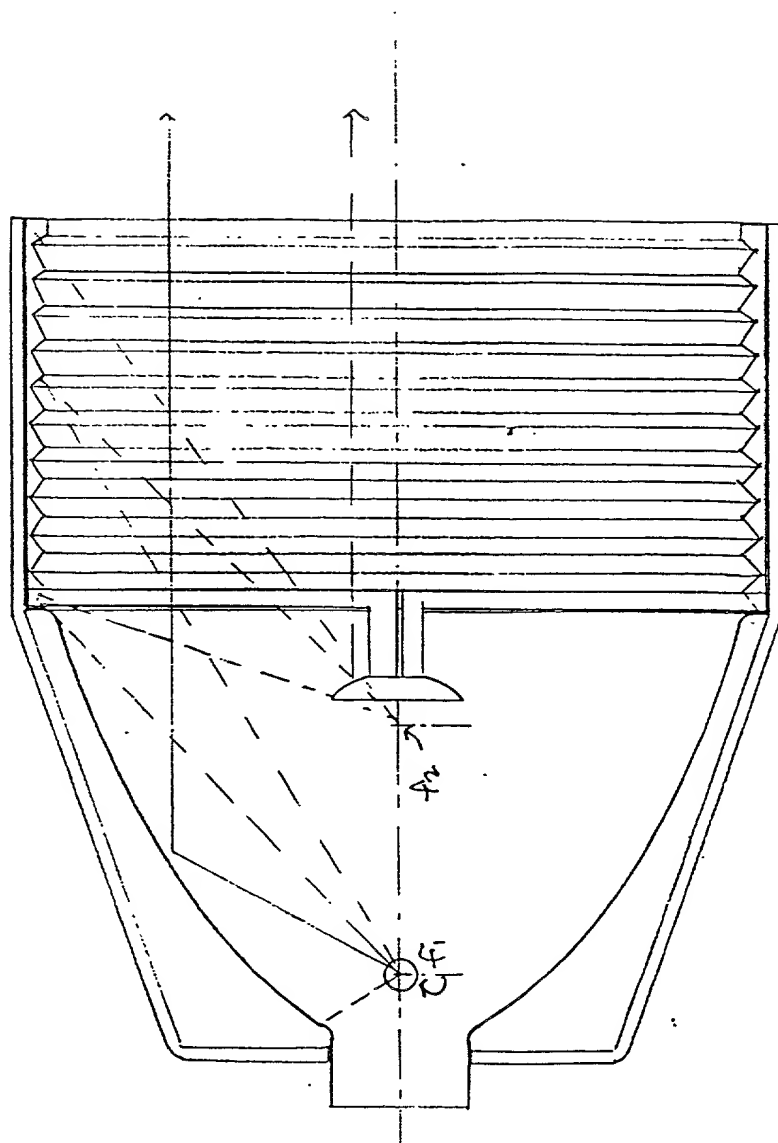


FIGURE 18

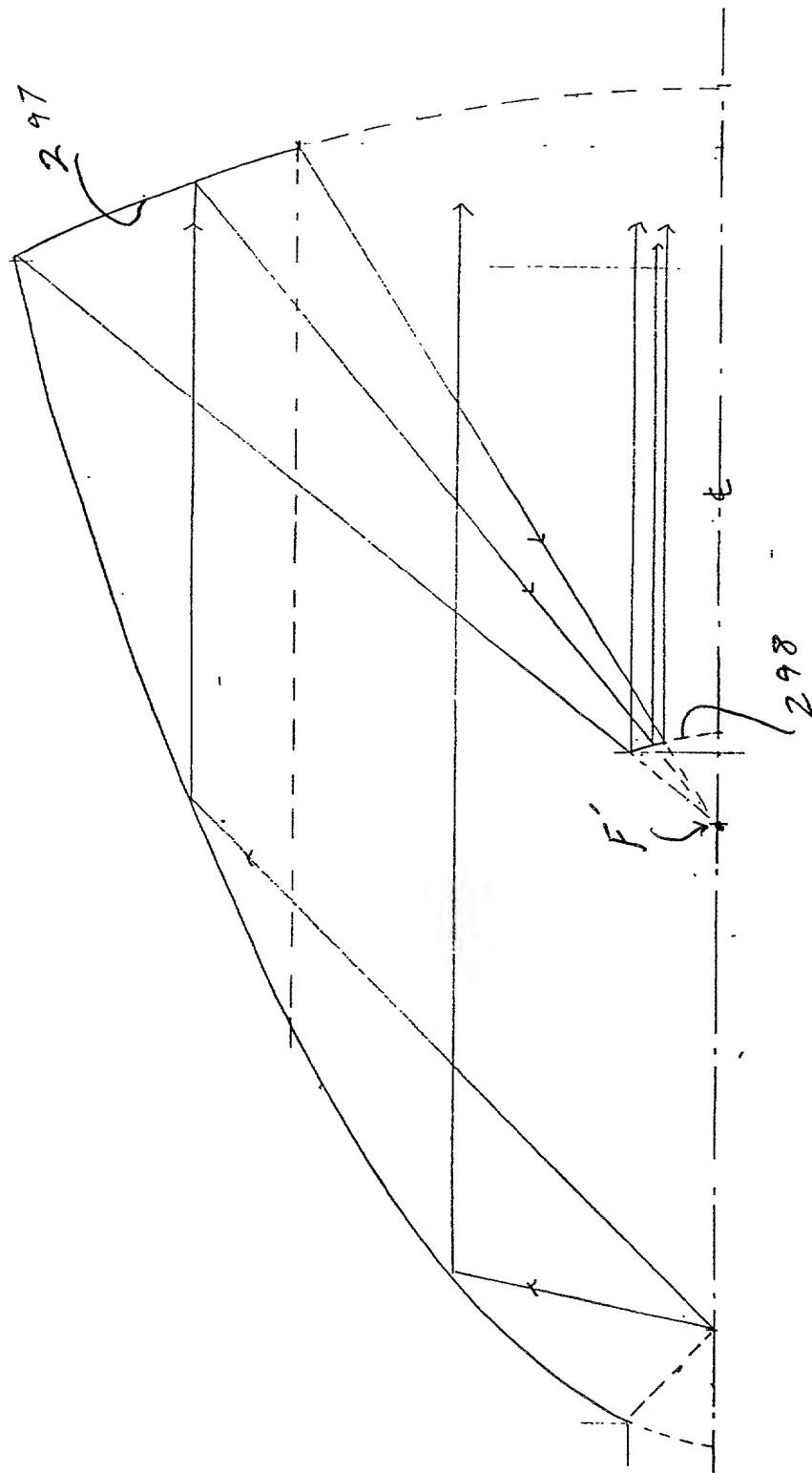




FIGURE 19

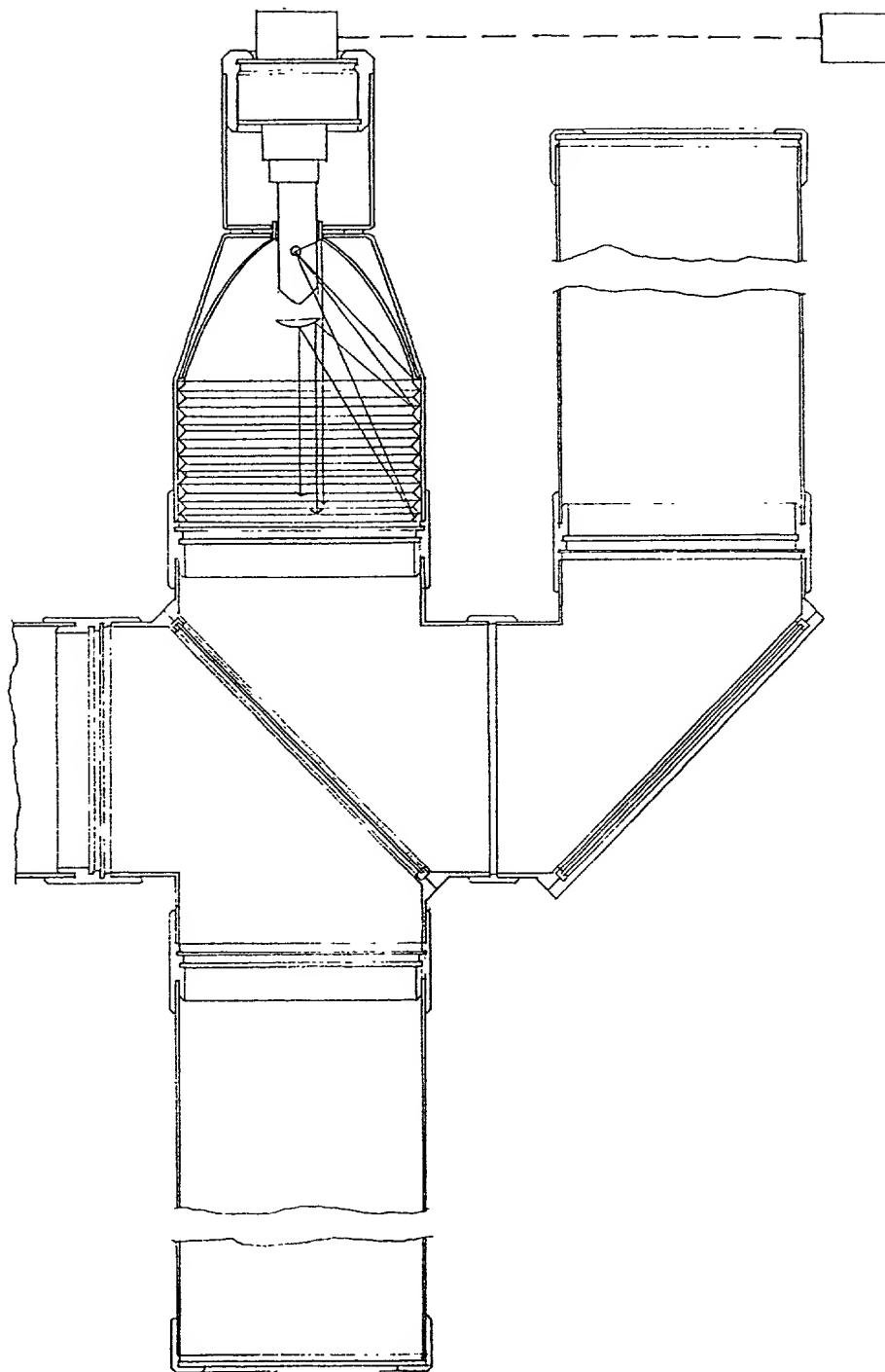


FIGURE 20

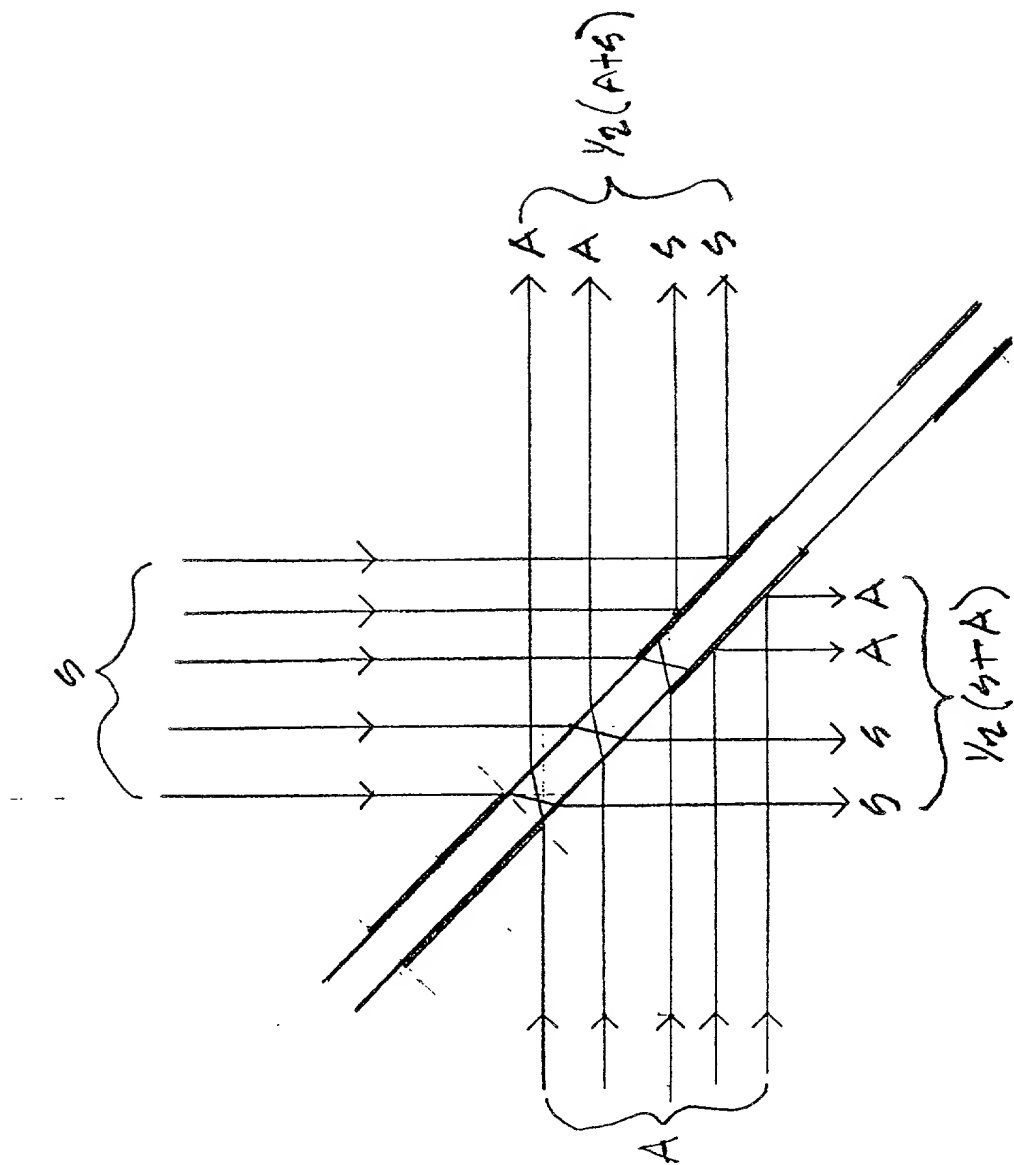


FIG. 21C

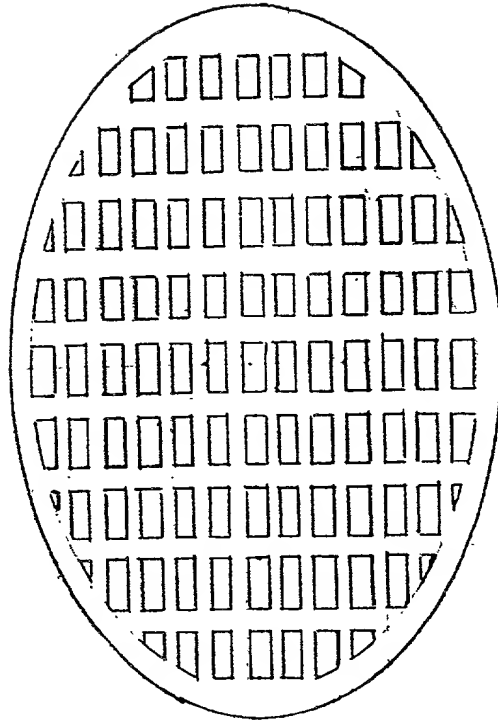
FIGURE 21C



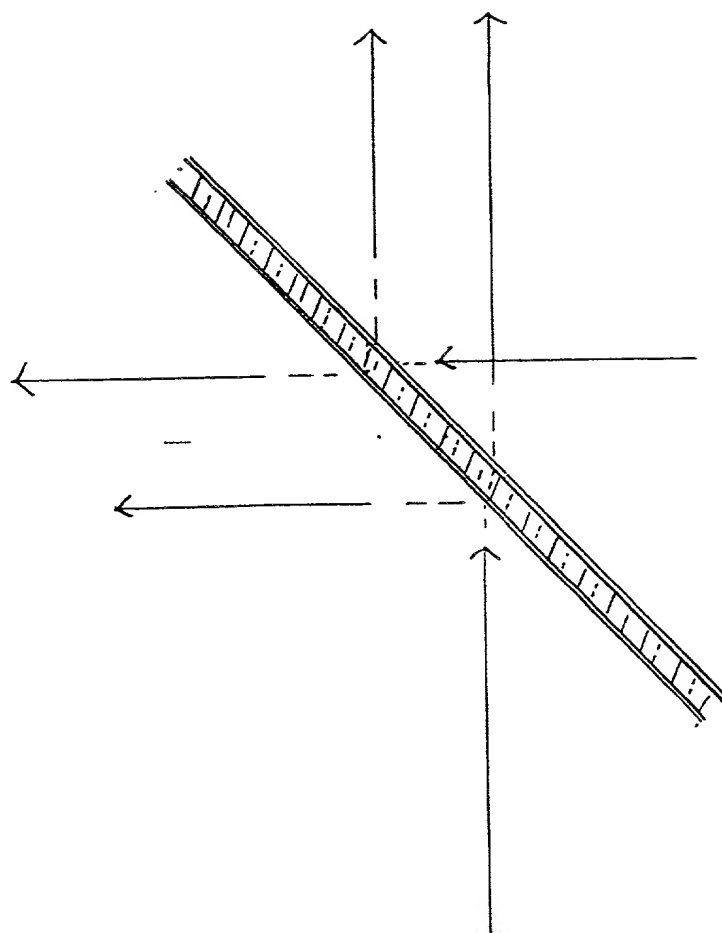
FIGURE 21B



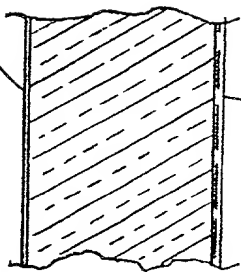
FIGURE 21A



**FIGURE 22**



232

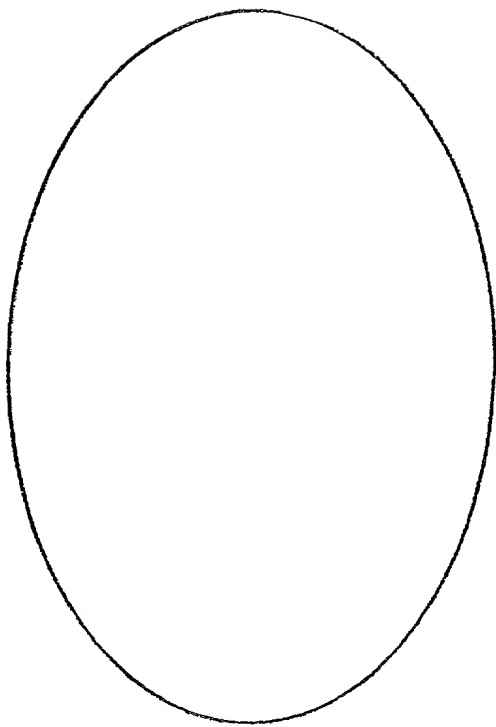


233

**FIGURE 23C**



**FIGURE 23B**



**FIGURE 23A**

**FIGURE 24**

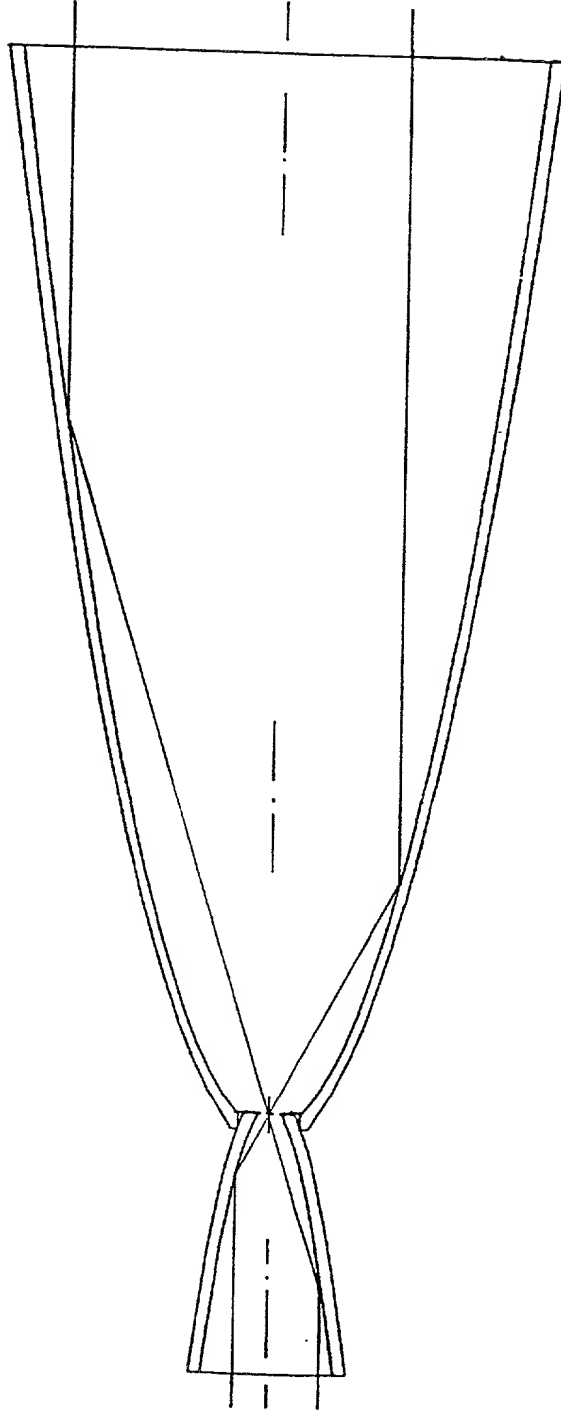


FIG. 25

FIGURE 25

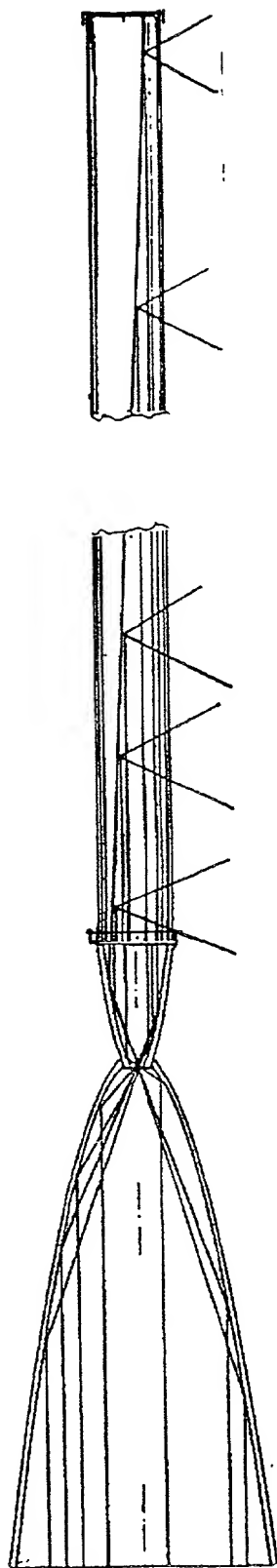






FIGURE 27

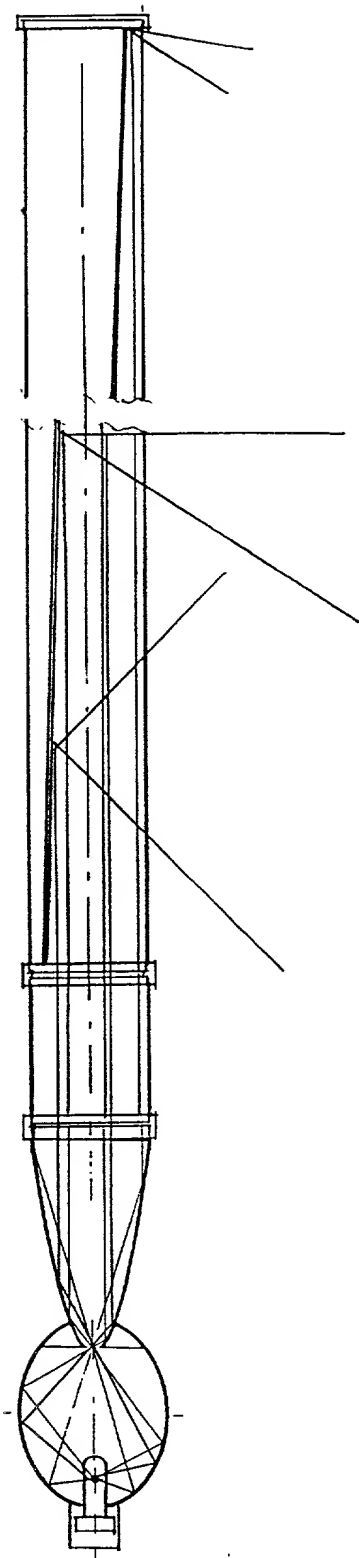


FIGURE 28

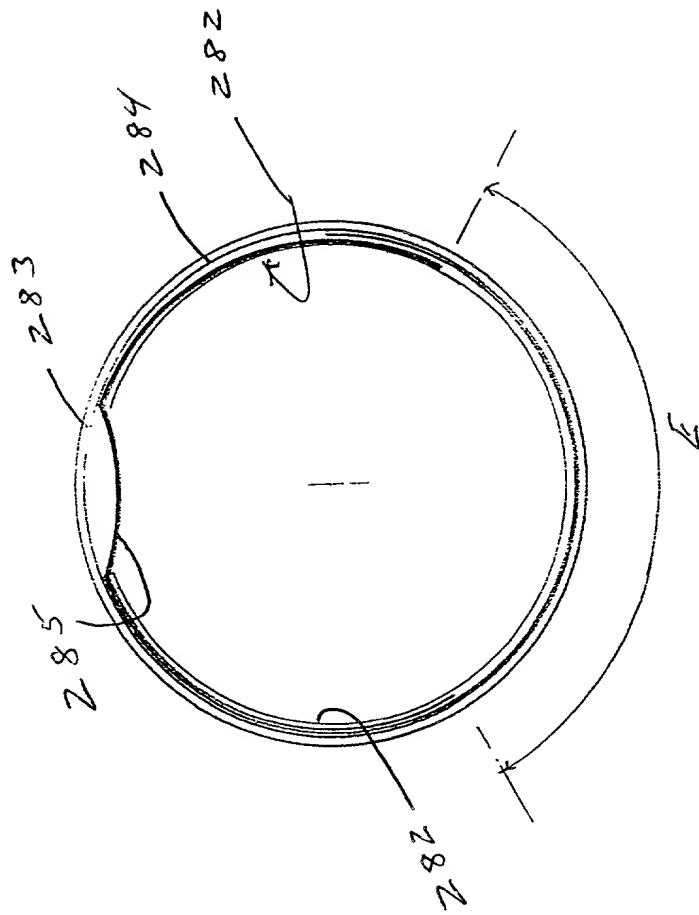
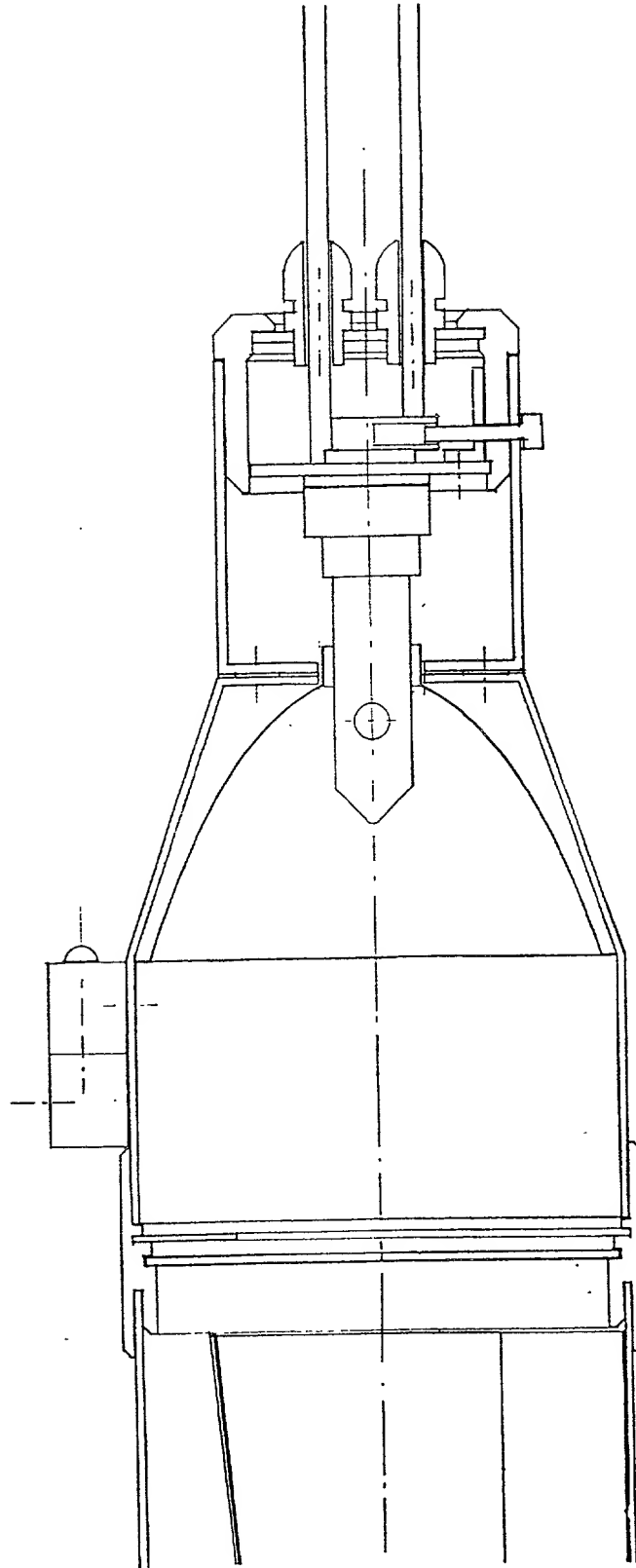
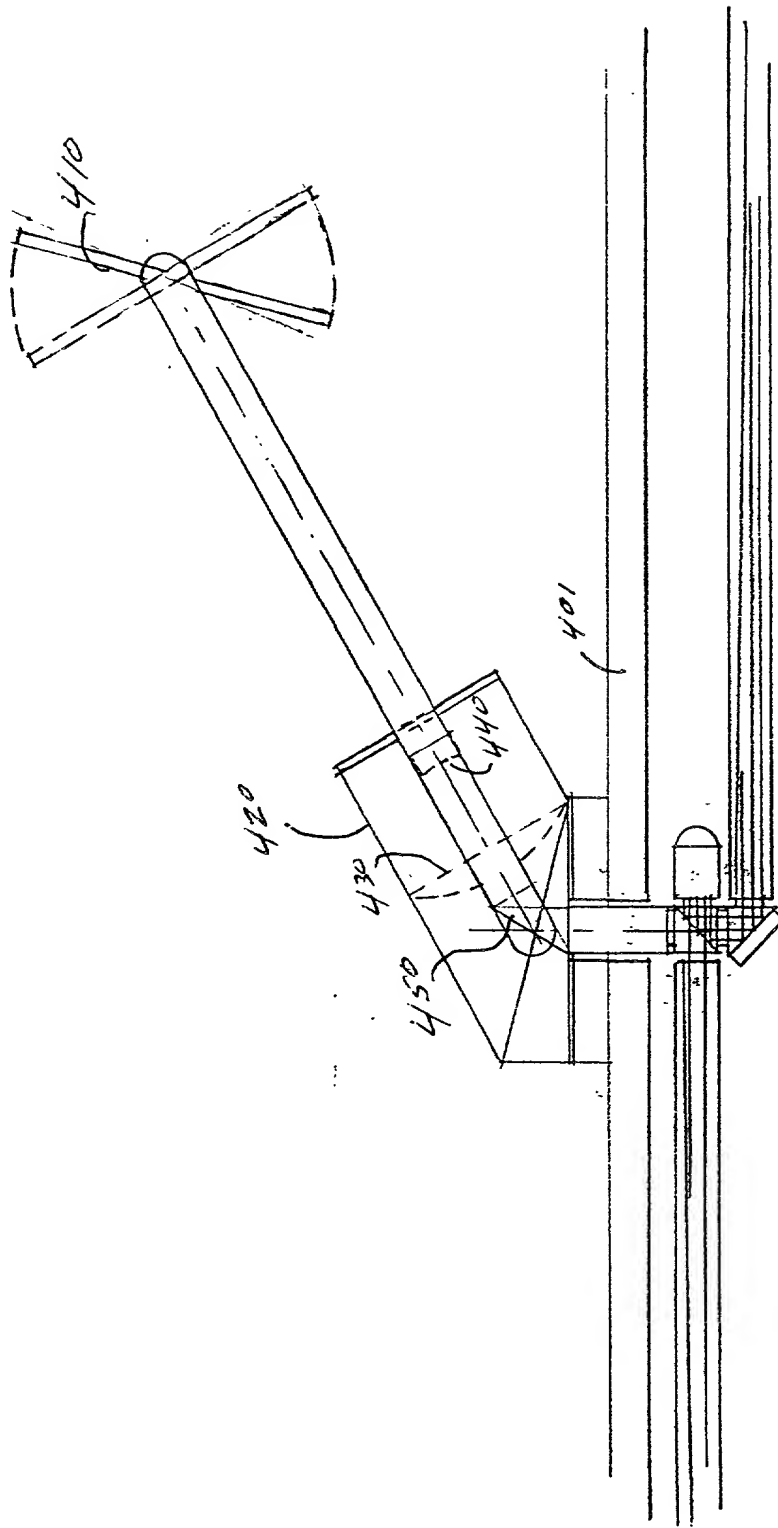


FIGURE 29





### FIGURE 30

FIGURE 31

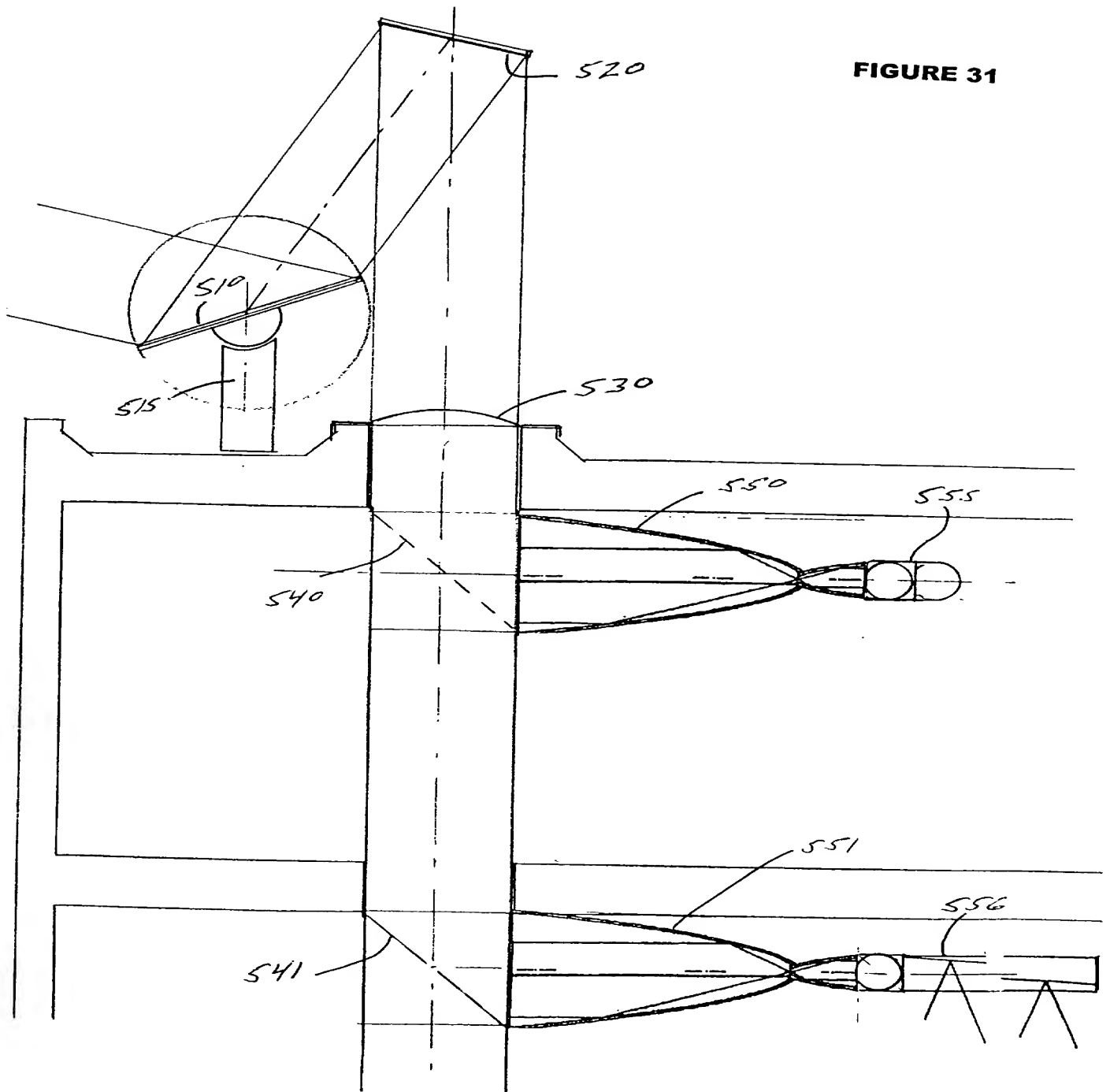


FIGURE 32

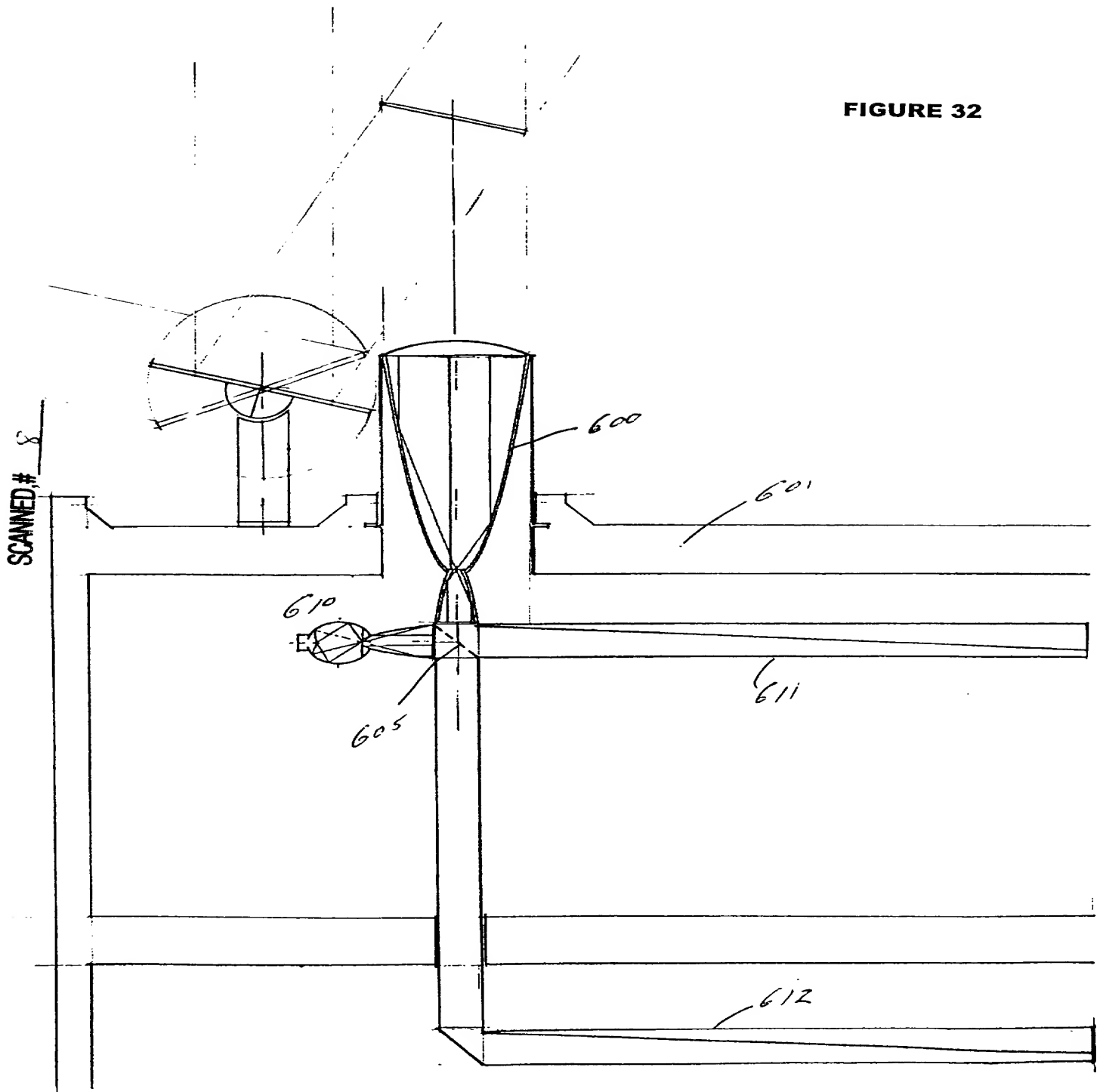


FIGURE 33

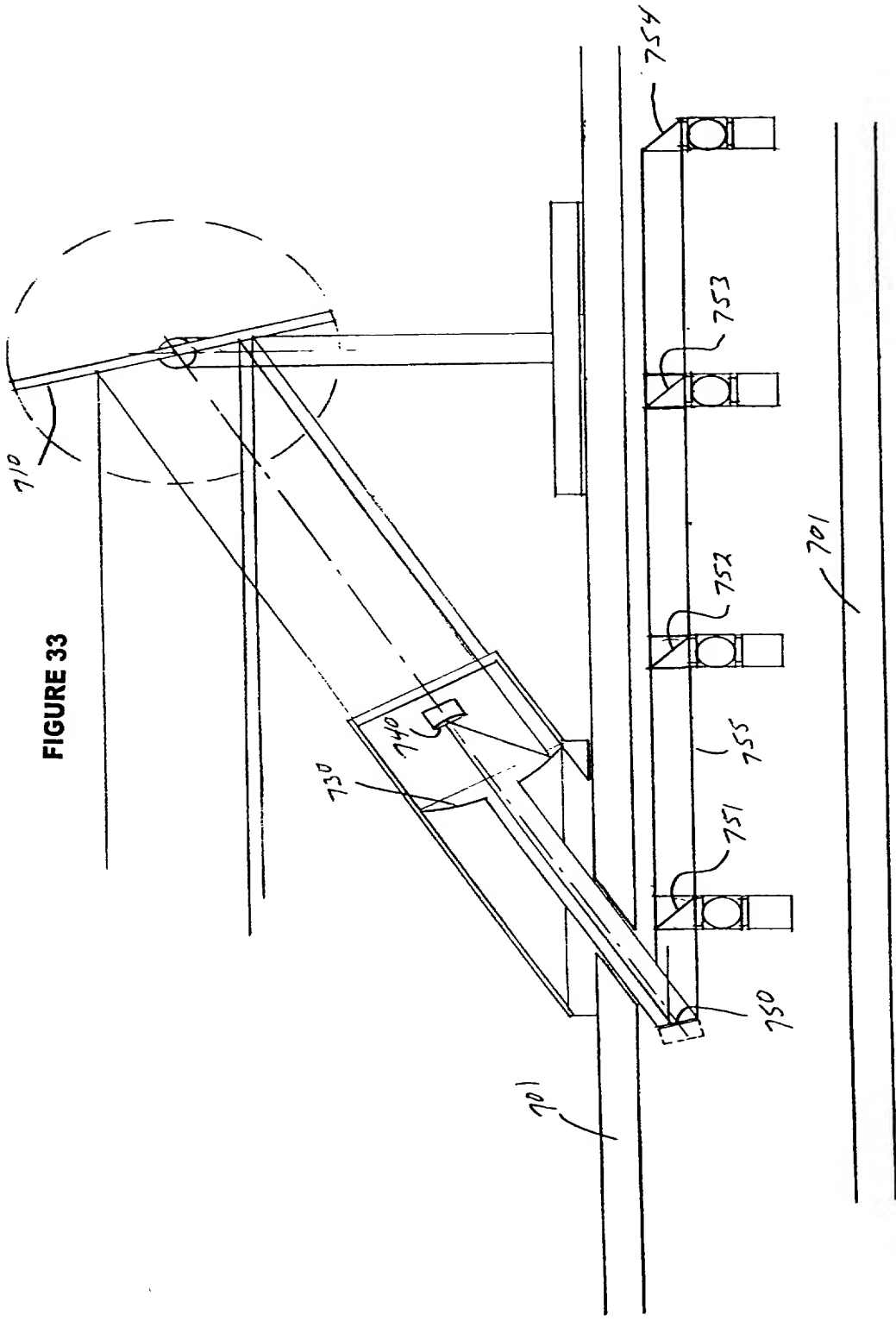


FIGURE 34

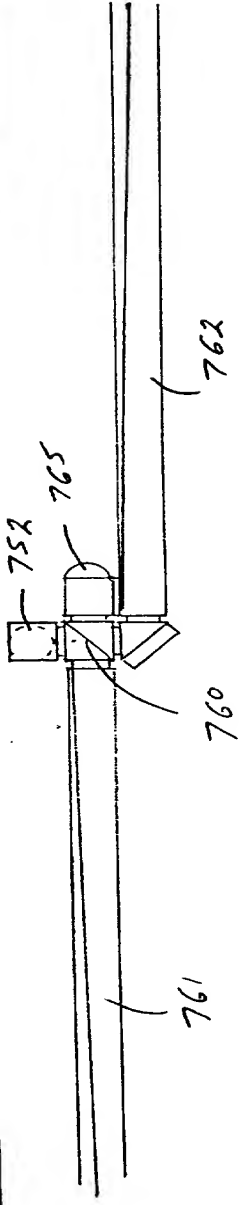


FIGURE 35A

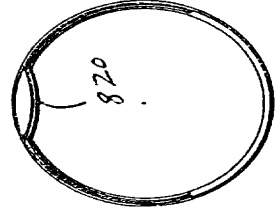
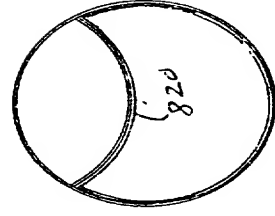
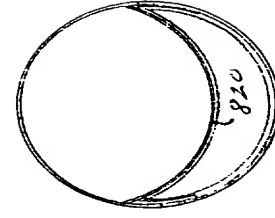
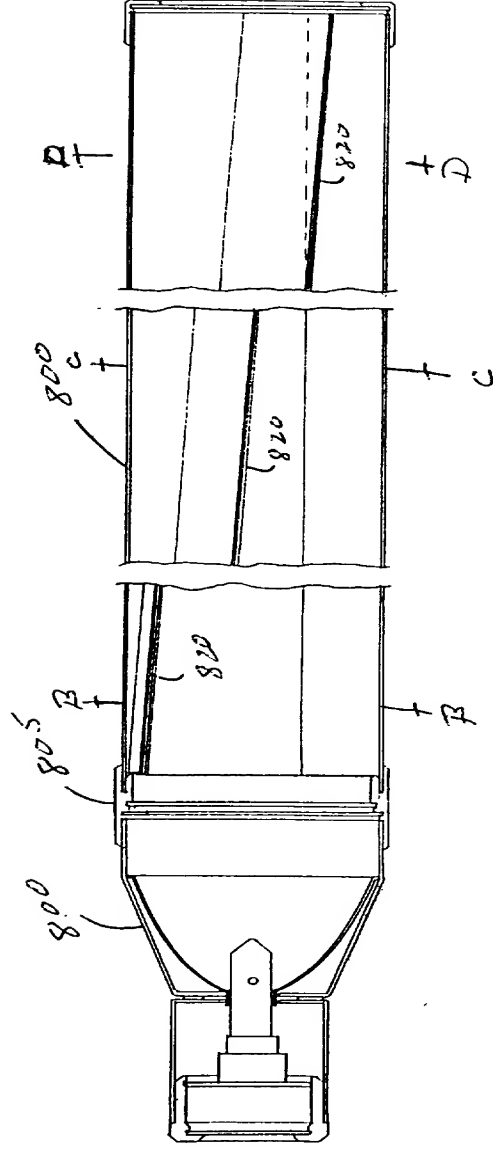


FIGURE 35B

FIGURE 35C

FIGURE 35D